

Pages 97-103- The DNA Connection

- 1. The main function of genes is to control the production of proteins. Proteins help determine traits.**
- 2. The order of the nitrogen bases along the uprights of the ladder determines which protein will be made.**
- 3. Proteins are made of amino acids. Three nitrogen bases form an amino acid. Example: CGT= alanine**
- 4. Messenger RNA carries info from chromosomes in the nucleus to the cytoplasm. The info needed for protein synthesis.**
- 5. RNA contains adenine, guanine and cytosine, but has uracil instead of thymine.**
- 6. Messenger RNA - copies info from nucleus**
- 7. Transfer RNA - carries three letter codons (three nitrogen bases) to the ribosome. The codons contain a three letter code for an amino acid.**

8. The ribosome reads the info and makes the correct protein.